

DIAGRAMMATIC ROUTING OF POWER RANGE DETECTOR CABLES VIA DRYWELL PENETRATIONS JX100B & D
STARTUP SYSTEM NUMBER 78 C

[illegible]

NOTES

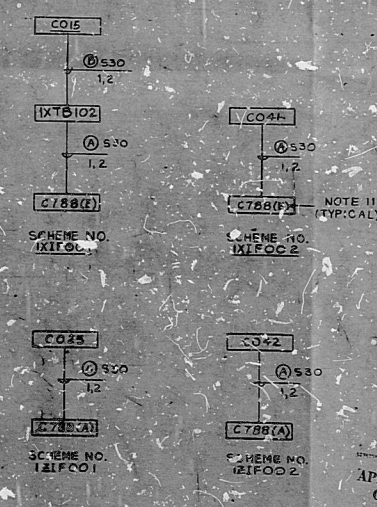
1. THIS DRAWING SHALL BE USED BY ENGINEERING TO DEVELOP CABLE NUMBERS AND RATINGS FOR THE CIRCUIT SCHEDULES AND BY THE FIELD FOR WIRING CONNECTIONS, INSTEAD OF RACEWAY.
2. ALL CONDUITS ARE RIGID STEEL UNLESS OTHERWISE NOTED.
3. FOR CABLE SUPPORTING TECHNIQUES USED UNDERNEATH THE REACTOR REFER TO DRAWING 80-104-10.
4. LPRN RACEWAYS INSIDE PRIMARY CONTAINMENT ARE DESIGNED FOR PULLING LPRN CABLES FROM DETECTOR ASSEMBLY TO DRYWELL PENETRATION WITH CONNECTORS ATTACHED.
5. MANDATORY ROUTING SEPARATION IS REQUIRED BETWEEN THE FOUR LPRN SCHEDULES. THE FOUR GROUPS OF SCHEDULES ARE:
 - a. SCHEDULES 12R0020 THRU 12R0247 (SW-1, THIN WALL)
 - b. SCHEDULES 12R0248 THRU 12R0401 (SW-2, THIN WALL)
 - c. SCHEDULES 12R0402 THRU 12R0474 (SW-3, THIN WALL)
 - d. SCHEDULES 12R0475 THRU 12R0474 (SW-4, THIN WALL)
6. LPRN SIGNAL CABLE MINIMUM BENDING RADIUS IS 15'.
7. CABLES BETWEEN TERMINATION CABINET AND AUXILIARY RELAY PANEL IS PART OF THE GE/FAC SYSTEM SUPPLIED BY GE/SWRSD.
8. CABLE LENGTH WILL BE ENTERED INTO THE CABLE LENGTH LOG.
9. UNASSIGNED LPRN'S ARE ROUTED WITH APRN'S PER REFERENCE 5.
10. EACH LPRN DETECTOR ASSEMBLY IS IDENTIFIED BY ITS BECHTEL EQUIPMENT NUMBER 90-4205 AND THE LOGIC AND ANALOG ADDRESS (SW-1) AND LEVEL NUMBER (TYPE) EQUIPMENT LOCATION NO. 9400-32-418).
11. LETTERS IN PARENTHESES FOLLOWING TERMINATION CABINETS ARE REFERENCE TO TERMINAL UNIT IDENTIFIER BAY NUMBER. THIS LETTER IS NOT PART OF THE LOGIC OR ANALOG ADDRESS, BUT SERVES AS AN AIR FLOW CABLE ROUTING.
12. SUBCONTRACTOR TO INSTALL POWER RANGE DETECTOR ASSEMBLY (1) AND TO SUPPLY CABLE PLUG CONNECTORS. (SEE REF DING B)
13. SCHEDULES 12R0475 IS SPLICED IN GROUP 3 BOX 1203A.
14. FOR FURTHER INFORMATION ON DWO 3-1412 SECTION 5.6. REFER TO DWO 3-1412.

REFERENCE DRAWINGS

- | | |
|---|---|
| 1. FFF80301H14H00-01-13
(SE: 724-327) | ELECTRICAL EQUIPMENT
SPECIFICATION FOR SAFEGUARD
SYSTEM DESIGNATION |
| 2. FFF80301H14H00-01-14
(SE: 771-7417N) | POWER RANGE NEUTRON
MONITORING SYSTEM ELEM DIAG |
| 3. FFF80301H14H00-01-15
(SE: 772-615AD) | POWER RANGE NEUTRON
SYSTEM IED |
| 4. FFF80301H14H00-01-16
(SE: 773-1001L) | SPECIAL - WIRE AND CABLE
TERMINATION |
| 5. FFF80301H14H00-01-17
(SE: 776-451ST) | READ-IO PROTECTION SYSTEM
INTERCONNECTION DIAGRAM |
| 6. FFF80301H14H00-01-18
(SE: 193-8151N) | FIELD INTERFACE TERMINATION
SUMMARY |
| 7. FFF80301H14H00-01-19
(SE: 724-327N) | FIELD INTERFACE TERMINATION
SUMMARY |
| 8. SUBTRACT 14H00-01-20
(REFER TO SECTION 1) | FIELD INTERFACE AND NMS
FOR LOGS, MONITORS, ETC. |

LEGEND

- [] NUMBER IN BRACKET INDICATES UNIT 2
ROUTING ONLY



RECIRC FLOW UNIT INPUTS

START-UP SYSTEM NO. 7
(SEE REF DWG 2, SH 42)
(TYPICAL FOR 112 UNITS)

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PDR RIDS

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